

Comparisons of Job Characteristics

Focus Occupation: [Diagnostic Medical Sonographers \(29-2032\)](#)

Associated Occupation: [Health Technologists and Technicians, All Other \(29-2099\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Customer and Personal Service	11.3	15.5	17.5	> Current knowledge level is likely sufficient
Medicine and Dentistry	3.7	15.1	14.6	0 Current knowledge level may be sufficient
Psychology	6.4	10.5	10.0	0 Current knowledge level may be sufficient
Biology	3.7	8.0	7.2	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Social Perceptiveness	9.1	11.3	11.0	0 Current skill level may be sufficient
Service Orientation	7.9	10.4	10.0	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	13.5	11.0	<	Some improvement in abilities may be required
Information Ordering	9.9	10.9	9.6	<	Some improvement in abilities may be required
Selective Attention	8.7	9.7	9.3	0	Current ability level may be sufficient
Finger Dexterity	7.6	9.2	9.7	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	8.3	9.4	>	Current ability level is likely sufficient
Time Sharing	6.6	7.5	7.1	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: Diagnostic Medical Sonographers (29-2032)

Associated Occupation: Health Technologists and Technicians, All Other (29-2099)

Tools and Technologies	Exclusivity
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Intravenous and arterial tubing and administration sets and related products	22
Medical diagnostic x ray products	26
Medical radiological imaging information and archiving products	43
Medical radiological positioning aids	47
Medical radiological shielding and protection products	31
Medical ultrasound and doppler and echo imaging products	19
Specimen collection and transport containers and supplies	14
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.